

# ArtStream

Written Instructional Guide



# “Sculpting in 2D and 3D with Modeling Dough”

*“For Grades 3-5 Students”*

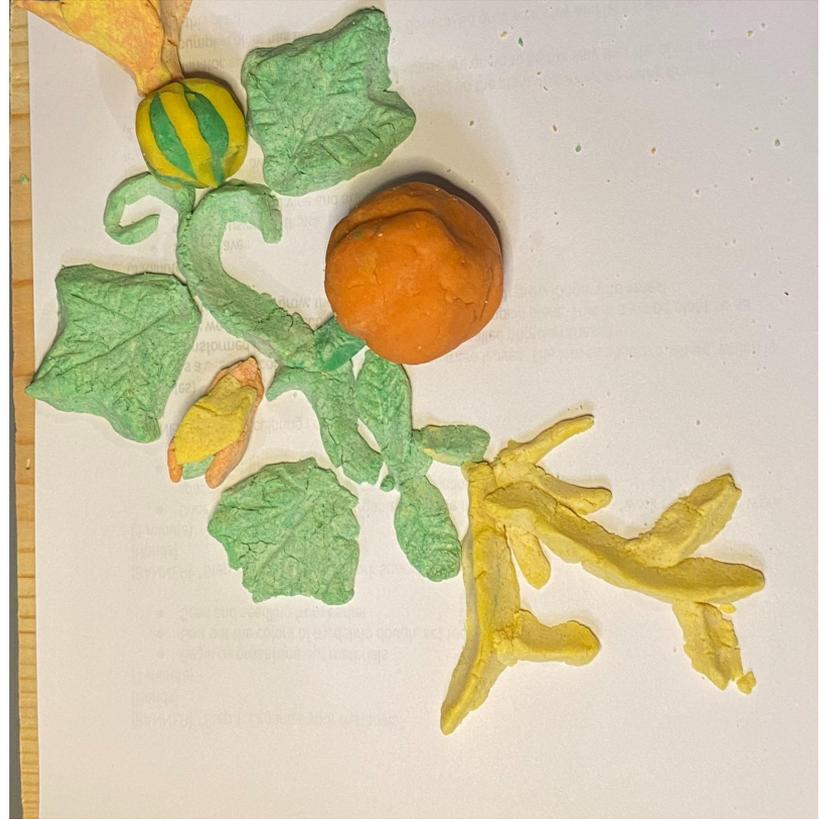
With Teaching Artist Nicole Hummel

**Lesson 4: “Modeling the Lifecycle of a plant  
Part III : Pollination and Fruit”**

# Materials

## *Materials:*

- o Required
  - Clean surface
  - Modeling dough from Lesson 1 (or store bought dough in different colors)
  - A hard moveable surface to keep the sculpture on (a piece of cardboard, a cutting board or a plate)
  - Sculpture from Last Lesson
- o Recommended
  - popsicle stick
  - toothpick



# Introduction

- Welcome
- I'm Nicole Marie Hummel, I'm a ceramic artist based in Eugene
- We are continuing our exploration of the **life cycle** of a plant. As we discussed earlier, a life cycle shows how living things grow and change over time. Last lesson we sculpted a mature plant with leaves and flowers.
- Our focus today is on the next stage of a plant's lifecycle: pollination and fruiting. This is when the plant creates the fruit so that this entire life cycle can continue! I will be demonstrating how to use sculpting dough to model this development.
- First, we are going to take a moment of mindfulness so that we can be fully engaged in this process of making clay!

# Mindfulness Exercise

- Take a deep breath, put your hand on your heart, notice what it feels like
- Now see if you can count 2 in, and a count of four out, making your exhale longer
- Now try in for 4, out for 6
- This can be helpful to calm your mind and your body if you are anxious or overwhelmed!

# Step 1: Organize Materials

- Begin by organizing our materials
- Sort out the colors of modeling dough, set tools together
- Sculpture from previous lesson stored safely on the board (vine and flower)

## Step 2: Set Up Work Space

- **Instructions**

- Once ingredients have been organized , move them to the edge of the “work space”. The work space can be a blank piece of paper, or a clean, flat surface
- Vine and Flower at the center of workspace on the board



## Step 3: Pollination and Fruiting

- There is a reason flowers are beautiful - these are going to be the way that the plant attracts a pollinator, so that it can become a fruit! In order for pollination to happen, the pollen from the stamen has to land on the pistil. The wind, bees and insects, and even our own hands can work as pollinators!
- When the flower has been pollinated, it begins to grow a fruit.
- On a pumpkin plant, the area at the bottom of the flower grows into the fruit. First it is green!

### Instructions

- sculpt bigger green sphere
- remove one of the flowers, attach sphere at base of it
- then reattach it to the plant

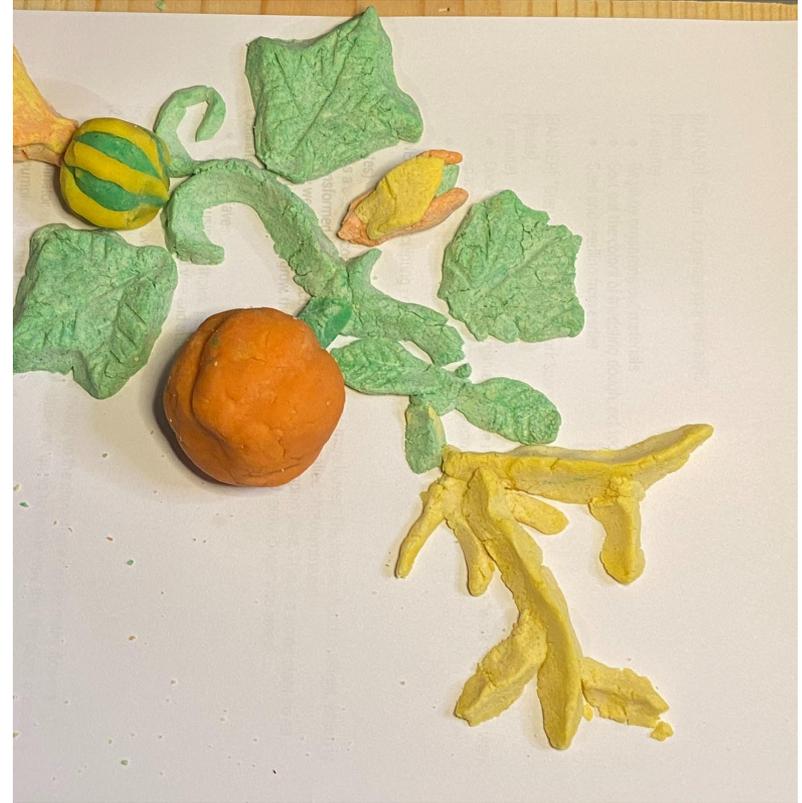


## Step 4: Fruit Matures, Plant Dies

- The fruit continues to mature, developing into the pumpkin we all know!
- At this point, the plant has done its job - to produce a fruit that contains the seeds so that more plants can grow! Inside the pumpkin are hundreds of seeds that can be dispersed and grow if given the right conditions
- So the plant dies, the pumpkin continues!

### Instructions

- sculpt many seeds
- sculpt pumpkin, seeds inside, attach to vine
- crumple up the rest of the plant..



# Closing Reflection

- Take a moment to sit back, close your eyes, and remember the process of doing this. What was your favorite part? How did it feel to crumple up the plant at the end? Take a deep breath together.
- Thank students for tuning in and participating
- Directive: Check out the lifecycles of different plants and animals! Feel free to use the modeling dough to sculpt these different cycles.

Thanks so much for joining me on this journey!

# Thank you!

- Keep creating!